(b) The feasibility report submitted by MECON recommended the addition of new facilities in three phase with capital investments (3rd quarter 1985 price) as noted below:—

Short term :—

Capital cost—Rs. 312.00 lakhs.

Mid term :—

Capital cost—Rs. 3530 lakhs.

Long term :—

Capital cost—Rs. 6352 lakhs inclusive of mid term.

Under the short term plan, Centre for Engineering and Technology has already been assigned the job to prepare a Project Report for manufacturing 800 tonnes of coke oven castings.

Recommendation of N.K.K. Japan for modernisation of Burnpur Project

3344. SHRI GURUDAS DAS GUPTA: Will the Minister of STEEL AND MINES be pleased to state:

(a) whether it is a fact that the N.K.K. of Japan has made detailed recommendations for improvement of various operational aspects of Indian Iron and Steel Co. (IISCO) Burnpur works;

(b) if so, what are the details of the recommendations; and

(c) what is the progress in implementation of these recommendations made in the following units viz. (i) Blast Furnace (ii) Coke ovens, (iii) Steel making, (iv) Rolling mills and (v) Steel Melting shop etc. till date?

THE MINISTER OF STEEL AND MINES (SHRI MAKHAN LAL FOTEDAR): (a) and (b) Yes, Sir. N.K.K. have submitted total number of 273 recommendations for IISCO, Burnpur. Some of the major recommendations for the plant are as under:

—Layer Charging in Blast Furnaces.

—Use of Knurling for Rolls of Blooming Mill and horizontal stand of Billet Mill to be adopted.

—Introduction of movable Throat Armour.

—Ceramic Fibre Blanket ceiling for pit covers.

—Adjustment of Screw-type oven doors for Coke Ovens.

—Use of Magnesium Oxide Burnt Bricks in back wall of Open Hearth Furnaces.

(c) 227 recommendations out of a total of 273 made by N.K.K. Japan stand implemented. Details of implementation, area-wise, is as follows:

Area of Activity	Total No. of recommendations	Total No. of recommendations implemented
1	2	3
Coke Plant/By product plant	42	37
Raw Materials	10	9
Blast Furnace	29	25
Steel Making	36	34
Blooming Mill	17	9

1	2	3
Heavy Structural Mill	25	17
Merchant Mill	11	7
Refractory	16	12
Energy	73	65
Maintenance	14	12
TOTAL	273	227

Technical Collaboration Agreement Between SAIL and N.K.K. of Japan

3345. SHRI GURUDAS DAS GUPTA: Will the Minister of STEEL AND MINES be pleased to state:

(a) whether it is a fact that a Technical Collaboration Agreement between SAIL and N.K.K. of Japan was signed in June, 1985 for upgradation and Modernisation of technology in the public sector steel plants viz Rourkela Steel Plant, Durgapur Steel Plant and Indian Iron and Steel Co. Ltd.;

(b) what are the terms and conditions financial and otherwise for undertaking such a study by N.K.K.;

(c) what amounts of money has been paid to N.K.K. for this examination and investigation; and

(d) what are the recommendations made by the N.K.K. Japan for improvements of each of these plants and what steps are being taken for its implementation?

THE MINISTER OF STEEL AND MINES (SHRI MAKHAN LAL FOTEDAR): (a) Yes Sir.

(b) and (c) The agreement between the Steel Authority of India Ltd. (SAIL) and M/s. N.K.K. of Japan provided for carrying out investigations by the Japanese firm, by putting in 3070 man-days, into key technological areas of SAIL's operations and to make recommendations for technological improvements. It also provided for imparting training to Engineers of SAIL for 1000 man-days. Payments were to be made on the basis of annual retention fee and man-days fee till the end of 1988-89, M/s. N.K.K. have been paid Rs. 11.29 crores.

(d) M/s. N.K.K., after carrying out their studies have so far submitted recommendations covering area like layer charging in blast furnaces, processing of ingots, maintenance and repair standards for shops as well as improved practice in the sinter plant, coke ovens, etc. Most of the recommendations have since been implemented.

धान की नई किस्म

3346. **श्री अजीत जोगी** : क्या कृषि मंत्री यह बताने की कृपा करेंगे कि:

(क) क्या कृषि वैज्ञानिकों द्वारा किसानों को खेती के लिये इस वर्ष धान की नई किस्म दी गई है ;

(ख) यदि हाँ, तो उसका ब्यौरा क्या है ; और

(ग) धान की इस नई किस्म के क्या लाभ हैं ?